NSLS OHSAS Facility Risk Assessment

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Name(s) of Risk Team Members: **NSLS OHSAS Committee**	**Point Value → Parameter ↓**	**1**	**2**	**3**	**4**	**5**
Area/Facility Description Title: **General Electrical Issues** **Area/Facility # (if applicable):** **LS-FRA-0004**	**Occupancy or Use**	**≤once/year**	**≤once/month**	**≤once/week**	**≤once/shift**	**>once/shift**
Area/Facility Description: **NSLS Facility Electrical Hazards and Controls**	**Severity**	**First Aid Only**	**Medical Treatment**	**Lost Time**	**Partial Disability**	**Death or Permanent Disability**
Approved by: **W. R. Casey** **Date:** **10/03/05** **Rev.#:** **1** **Revision Log**	**Likelihood**	**Extremely Unlikely** <<1x/20yrs	**Unlikely** 1x/10-20yrs	**Possible** >1x/10-20yrs	**Probable** 1x/yr	**Multiple** >1x/yr
Reason for Revision (if applicable):				**Comments:**		

		Before Controls					**After Initial Controls**					**After Additional Controls**				
Physical Item or Activity	**Hazard(s)**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**Initial Controls**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**Control(s) Added to Reduce Risk**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**% Risk Reduction**
Close proximity to disconnects, switches, transformers and other distribution equipment	Electric shock, electrocution or arc flash	4	5	2	40	Proper grounding, proper equipment design (NRTL approved), proper installation, signs and postings	4	5	1	20						

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		Before Controls					After Initial Controls					After Additional Controls				
Physical Item or Activity	**Hazard(s)**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**Initial Controls**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**Control(s) Added to Reduce Risk**	**Occupancy A**	**Severity B**	**Likelihood C**	**Risk* AxBxC**	**% Risk Reduction**
Close proximity to accelerator electrical equipment (Magnet power supplies and RF equipment)	Electric shock, electrocution or arc flash	2	5	2	20	Proper grounding, proper equipment design, signs and postings, work planning	2	5	1	10						
Close proximity to experimental electrical equipment	Electric shock, electrocution or arc flash	3	5	2	30	Proper grounding, proper equipment design, proper enclosure or cover, experimental review	3	5	1	15						
Nearby to individuals working on or near energized electrical equipment	Electric shock, electrocution or arc flash	1	5	3	15	Barricades, signs and postings, training, procedures, work planning	1	5	1	5						

Further Description of Controls Added to Reduce Risk:

*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate	61 to 80 Substantial	81 or greater Intolerable